

CLAIMS

What is claimed is:

- Sub B1 >
1. A method for securely storing data within a memory, the method comprising the steps of:
2. encrypting the data using a non-verifiable personal identifier;
3. encrypting a reminder using the non-verifiable personal identifier; and
4. storing the encrypted data and the encrypted reminder in the memory;
5. wherein the stored encrypted data and the stored encrypted reminder can only be correctly decrypted using the non-verifiable personal identifier, wherein a correctly decrypted reminder provides an indication of correctly decrypted data.
1. 2. The method as defined in claim 1, wherein the data is one or more personal identification codes.

1 3. The method as defined in claim 1, wherein the remainder is
2 a user-identifiable code.

1 4. The method as defined in claim 1, wherein the non-
2 verifiable personal identifier is not stored in the memory.

1 5. The method as defined in claim 4, wherein the non-
2 verifiable personal identifier comprises alphanumeric
3 characters.

1 6. The method as defined in claim 4, wherein the non-
2 verifiable personal identifier comprises an identifiable
3 personal characteristic.

1 7. The method as defined in claim 6, wherein the
2 identifiable personal characteristic comprises one of a human
3 voice, a human fingerprint, and a human eye.

1 8. The method as defined in claim 4, further comprising the
2 step of:

3 applying the non-verifiable personal identifier against
4 the stored encrypted data and the stored encrypted reminder so

5 as to decrypt the stored encrypted data and the stored
6 encrypted reminder.

1 9. The method as defined in claim 8, further comprising the
2 step of:

3 providing the data after being correctly decrypted using
4 the using the non-verifiable personal identifier.

1 10. The method as defined in claim 9, wherein the data is
2 displayed.

1 11. The method as defined in claim 9, wherein the data is
2 announced.

1 12. The method as defined in claim 8, further comprising the
2 step of:

3 providing the reminder after being correctly decrypted
4 using the using the non-verifiable personal identifier.

1 13. The method as defined in claim 12, wherein the reminder
2 is displayed.

1 14. The method as defined in claim 12, wherein the reminder
2 is announced.

1 15. The method as defined in claim 8, further comprising the
2 step of:

3 waiting a predetermined time period before applying
4 another personal identifier against the stored encrypted data
5 and the stored encrypted reminder for the purpose of
6 decrypting the stored encrypted data and the stored encrypted
7 reminder.

1 16. The method as defined in claim 1, further comprising the
2 step of:

3 applying an identifier other than the non-verifiable
4 personal identifier against the stored encrypted data and the
5 stored encrypted reminder so as to incorrectly decrypt the
6 stored encrypted data and the stored encrypted reminder.

1 17. The method as defined in claim 16, further comprising the
2 step of:

3 providing incorrect data after the encrypted data has
4 been incorrectly decrypted using an identifier other than the
5 non-verifiable personal identifier.

1 18. The method as defined in claim 17, wherein the incorrect
2 data is displayed.

1 19. The method as defined in claim 17, wherein the incorrect
2 data is announced.

1 20. The method as defined in claim 16, further comprising the
2 step of:

3 providing an incorrect reminder after the encrypted
4 reminder has been incorrectly decrypted using an identifier
5 other than the non-verifiable personal identifier.

1 21. The method as defined in claim 20, wherein the incorrect
2 reminder is displayed.

1 22. The method as defined in claim 20, wherein the incorrect
2 reminder is announced.

1 23. The method as defined in claim 16, further comprising the
2 step of:

3 waiting a predetermined time period before applying
4 another personal identifier against the stored encrypted data
5 and the stored encrypted reminder for the purpose of
6 decrypting the stored encrypted data and the stored encrypted
7 reminder.

1 24. An apparatus for securely storing data within a memory,
2 the apparatus comprising:

3 at least one processor configured to:

4 encrypt the data using a non-verifiable personal
5 identifier; and

6 encrypt a reminder using the non-verifiable personal
7 identifier; and

8 a memory for storing the encrypted data and the encrypted
9 reminder;

10 wherein the stored encrypted data and the stored
11 encrypted reminder can only be correctly decrypted using the
12 non-verifiable personal identifier, wherein a correctly
13 decrypted reminder provides an indication of correctly
14 decrypted data.

1 25. The apparatus as defined in claim 24, wherein the data is
2 one or more personal identification codes.

1 26. The apparatus as defined in claim 24, wherein the
2 reminder is a user-identifiable code.

1 27. The apparatus as defined in claim 24, wherein the non-
2 verifiable personal identifier is not stored in the memory.

1 28. The apparatus as defined in claim 27, wherein the non-
2 verifiable personal identifier comprises alphanumeric
3 characters.

1 29. The apparatus as defined in claim 27, wherein the non-
2 verifiable personal identifier comprises an identifiable
3 personal characteristic.

1 30. The apparatus as defined in claim 29, wherein the
2 identifiable personal characteristic comprises one of a human
3 voice, a human fingerprint, and a human eye.

1 31. The apparatus as defined in claim 27, wherein the at
2 least one processor is further configured to:

3 decrypt the stored encrypted data and the stored
4 encrypted remainder with the non-verifiable personal
5 identifier.

1 32. The apparatus as defined in claim 31, further comprising:

2 a output device for displaying the data after being
3 correctly decrypted using the using the non-verifiable
4 personal identifier.

1 33. The apparatus as defined in claim 31, further comprising:

2 an output device for announcing the data after being
3 correctly decrypted using the using the non-verifiable
4 personal identifier.

1 34. The apparatus as defined in claim 31, further comprising:

2 a output device for displaying the remainder after being
3 correctly decrypted using the using the non-verifiable
4 personal identifier.

1 35. The apparatus as defined in claim 31, further comprising:

2 an output device for announcing the reminder after being
3 correctly decrypted using the using the non-verifiable
4 personal identifier.

1 36. The apparatus as defined in claim 31, wherein the at
2 least one processor is further configured to:

3 wait a predetermined time period before decrypting the
4 stored encrypted data and the stored encrypted reminder with
5 another personal identifier.

1 37. The apparatus as defined in claim 24, wherein the at
2 least one processor is further configured to:

3 incorrectly decrypt the stored encrypted data and the
4 stored encrypted reminder with an identifier other than the
5 non-verifiable personal identifier.

1 38. The apparatus as defined in claim 37, further comprising:
2 an output device for displaying incorrect data after the
3 encrypted data has been incorrectly decrypted using an
4 identifier other than the non-verifiable personal identifier.

1 39. The apparatus as defined in claim 37, further comprising:

2 an output device for announcing incorrect data after the
3 encrypted data has been incorrectly decrypted using an
4 identifier other than the non-verifiable personal identifier.

1 40. The apparatus as defined in claim 37, further comprising:
2 an output device for displaying an incorrect reminder
3 after the encrypted reminder has been incorrectly decrypted
4 using an identifier other than the non-verifiable personal
5 identifier.

1 41. The apparatus as defined in claim 37, further comprising:
2 an output device for announcing an incorrect reminder
3 after the encrypted reminder has been incorrectly decrypted
4 using an identifier other than the non-verifiable personal
5 identifier.

1 42. The apparatus as defined in claim 37, wherein the at
2 least one processor is further configured to:
3 wait a predetermined time period before decrypting the
4 stored encrypted data and the stored encrypted reminder with
5 another personal identifier.

1 43. An article of manufacture for securely storing data
2 within a memory, the article of manufacture comprising:
3 at least one processor readable carrier; and
4 instructions carried on the at least one carrier; wherein
5 the instructions are configured to be readable from the at
6 least one carrier by at least one processor and thereby cause
7 the at least one processor to operate so as to:
8 encrypt the data using a non-verifiable personal
9 identifier;
10 encrypt a reminder using the non-verifiable personal
11 identifier; and
12 store the encrypted data and the encrypted reminder in
13 the memory;
14 wherein the stored encrypted data and the stored
15 encrypted reminder can only be correctly decrypted using the
16 non-verifiable personal identifier, wherein a correctly
17 decrypted reminder provides an indication of correctly
18 decrypted data.

1 44. The article of manufacture as defined in claim 43,
2 wherein the data is one or more personal identification codes.

1 45. The article of manufacture as defined in claim 43,
2 wherein the remainder is a user-identifiable code.

1 46. The article of manufacture as defined in claim 43,
2 wherein the non-verifiable personal identifier is not stored
3 in the memory.

1 47. The article of manufacture as defined in claim 46,
2 wherein the non-verifiable personal identifier comprises
3 alphanumeric characters.

1 48. The article of manufacture as defined in claim 46,
2 wherein the non-verifiable personal identifier comprises an
3 identifiable personal characteristic.

1 49. The article of manufacture as defined in claim 48,
2 wherein the identifiable personal characteristic comprises one
3 of a human voice, a human fingerprint, and a human eye.

1 50. The article of manufacture as defined in claim 46,
2 further causing the at least one processor to operate so as
3 to:

4 apply the non-verifiable personal identifier against the
5 stored encrypted data and the stored encrypted reminder so as
6 to decrypt the stored encrypted data and the stored encrypted
7 reminder.

1 51. The article of manufacture as defined in claim 50,
2 further causing the at least one processor to operate so as
3 to:

4 provide the data after being correctly decrypted using
5 the using the non-verifiable personal identifier.

1 52. The article of manufacture as defined in claim 51,
2 wherein the data is displayed.

1 53. The article of manufacture as defined in claim 51,
2 wherein the data is announced.

1 54. The article of manufacture as defined in claim 50,
2 further causing the at least one processor to operate so as
3 to:

4 provide the reminder after being correctly decrypted
5 using the using the non-verifiable personal identifier.

1 55. The article of manufacture as defined in claim 54,
2 wherein the reminder is displayed.

1 56. The article of manufacture as defined in claim 54,
2 wherein the reminder is announced.

1 57. The article of manufacture as defined in claim 50,
2 further causing the at least one processor to operate so as
3 to:

4 wait a predetermined time period before applying another
5 personal identifier against the stored encrypted data and the
6 stored encrypted reminder for the purpose of decrypting the
7 stored encrypted data and the stored encrypted reminder.

1 58. The article of manufacture as defined in claim 43,
2 further causing the at least one processor to operate so as
3 to:

4 apply an identifier other than the non-verifiable
5 personal identifier against the stored encrypted data and the
6 stored encrypted reminder so as to incorrectly decrypt the
7 stored encrypted data and the stored encrypted reminder.

1 59. The article of manufacture as defined in claim 58,
2 further causing the at least one processor to operate so as
3 to:

4 provide incorrect data after the encrypted data has been
5 incorrectly decrypted using an identifier other than the non-
6 verifiable personal identifier.

1 50
1 60. The article of manufacture as defined in claim 59,
2 wherein the incorrect data is displayed.

1 61. The article of manufacture as defined in claim 59,
2 wherein the incorrect data is announced.

1 62. The article of manufacture as defined in claim 58,
2 further causing the at least one processor to operate so as
3 to:

4 provide an incorrect reminder after the encrypted
5 reminder has been incorrectly decrypted using an identifier
6 other than the non-verifiable personal identifier.

1 63. The article of manufacture as defined in claim 62,
2 wherein the incorrect reminder is displayed.

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1 64. The article of manufacture as defined in claim 62,
2 wherein the incorrect reminder is announced.

1 65. The article of manufacture as defined in claim 58,
2 further causing the at least one processor to operate so as
3 to:

4 wait a predetermined time period before applying another
5 personal identifier against the stored encrypted data and the
6 stored encrypted reminder for the purpose of decrypting the
7 stored encrypted data and the stored encrypted reminder.

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